

9/981,613

File 348:EUROPEAN PATENTS 1978-2004/Dec W01

(c) 2004 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20041209,UT=20041202

(c) 2004 WIPO/Univentio

Set	Items	Description
S1	439	(COMPOSITE OR COMPOUND OR COMPLEX OR (MULTIPLE OR MULTI) () - COLUMN OR MULTICOLUMN) (1W)KEY? ?
S2	123	COMPOSITE() (INDEX OR INDICE? ?)
S3	3072	(COLUMN? ? OR CANDIDATE? ?) (7N) (UNIQUE? OR DISTINCT? OR UID OR UIDS OR GUID OR GUIDS OR UUID OR UUIDS)
S4	466	ROW(1W) (ID OR IDS OR IDENTIFIER? ? OR IDENTIFYING OR IDENTIFICATION OR DESIGNATOR? OR DESIGNATION? ? OR DESCRIPTOR? ?)
S5	2732	(FOREIGN OR PRIMARY OR SORT OR FIELD OR TABLE) (1W)KEY? ?
S6	165994	(THREE OR 3 OR THIRD OR 3RD OR FINAL OR LAST) (2W) (COLUMN? ? OR VALUE? ? OR ITEM? ? OR ENTRY OR ENTRIES OR PART OR PARTS - OR FIELD? ?)
S7	866	S6(7N) (UNIQUE? OR DISTINCT? OR UID OR UIDS OR GUID OR GUIDS OR UUID OR UUIDS)
S8	10	(S1 OR S2) (100N)S3
S9	2	(S1 OR S2) (100N)S7
S10	12	S8:S9
S11	13	(S4 OR S5) (100N)S7
S12	165	(S4 OR S5) (100N)S3
S13	5723	(3 OR THREE) (2W)COLUMNS
S14	5	(S4 OR S5) (100N)S3(100N)S13
S15	17	S11 OR S14

BEST AVAILABLE COPY

10/3,K/1 (Item 1 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

00777586

Method and system for constraint checking bulk data in a database
Verfahren und System um Bedingungen für Massen von Daten in einer Datenbank
zu überprüfen

Procédé et système pour vérifier des contraintes pour des grandes quantités
de données dans une base de données

PATENT ASSIGNEE:

INTERNATIONAL BUSINESS MACHINES CORPORATION, (200123), , Armonk, NY
10504, (US), (applicant designated states: DE;FR;GB)

INVENTOR:

Cochrane, Roberta J., 52 Chester Street, Los Gatos, California 95030,
(US)
Pirahesh, Mir H., 1282 Quail Creek Circle, San Jose, California 95120,
(US)
Sidle, Richard S., 141 Davisville Avenue, Apt. 1712, Toronto, Ontario M4S
1G7, (CA)
Zuzarte, Calisto P., 1625 Fairfield Crescent, Pickering, Ontario L1V 6H2,
(CA)

LEGAL REPRESENTATIVE:

Jennings, Michael John (80331), IBM United Kingdom Limited, Intellectual
Property Department, Hursley Park, Winchester, Hampshire SO21 2JN, (GB)
PATENT (CC, No, Kind, Date): EP 726537 A1 960814 (Basic)
APPLICATION (CC, No, Date): EP 96300875 960209;
PRIORITY (CC, No, Date): US 387037 950210
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: G06F-017/30;
ABSTRACT WORD COUNT: 164

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	833
SPEC A	(English)	EPAB96	7273
Total word count - document A			8106
Total word count - document B			0
Total word count - documents A + B			8106

...SPECIFICATION table containing all the departments in an employing
organization. The second table, in this case, is the "parent table". The
unique identifying **column** in the parent table identifying department
titles is referred to as a "primary key". Referential integrity is the
state when...

...the above simple example shows a foreign and primary key having only
one column, referential integrity can be assured using **multi - column**
keys.

In the above example, the record for the employee having no department
is said to be "orphaned" because the foreign...foreign key establishes a
"referential" relationship between the base-table (child) and another
(parent) table designated by the foreign key **column** attribute. An
unique key is a set of **columns** whose values **uniquely** determine a
record in the table, so a primary key is, by definition, an unique key.
Thus, a parent/child...

...be added without limit and each key attribute may span several columns.

Generally speaking, a referential constraint relates a possibly **multi**
- column foreign **key** from the child table to an unique key in the
parent table. There is only one primary key in a...

10/3,K/2 (Item 1 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

01174765 **Image available**

MANAGING LOCKS AND TRANSACTIONS

GESTION DE VERROUILLAGES ET DE TRANSACTIONS

Patent Applicant/Assignee:

INTERNATIONAL BUSINESS MACHINES CORPORATION, New Orchard Road, Armonk, NY
10504, US, US (Residence), US (Nationality), (For all designated states
except: US)

IBM UNITED KINGDOM LIMITED, PO Box 41, North Harbour, Portsmouth,
Hampshire PO6 3AU, GB, GB (Residence), GB (Nationality), (Designated
only for: MG)

Patent Applicant/Inventor:

WALKER Michael Leo, 4100 The Woods Drive, Apt 810, San Jose, CA 95136, US
, US (Residence), US (Nationality), (Designated only for: US)

Legal Representative:

BURT Roger James (agent), IBM United Kingdom Limited, Intellectual
Property Law, Hursley Park, Winchester, Hampshire SO21 2JN, GB,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200497632 A2 20041111 (WO 0497632)

Application: WO 2004GB1927 20040504 (PCT/WO GB04001927)

Priority Application: US 2003428758 ~~20030501~~

Designated States:

(All protection types applied unless otherwise stated - for applications
2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO
SE SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 21655

Fulltext Availability:

Detailed Description

Detailed Description

... invention, the operation id

is unique across lock management groups and transaction managers. Thus,
the operation id may be a **compound key** with the first part being an
indication of whether the operation id was generated by a transaction
manager or not, the second part being the lock management group name or
transaction manager name, and the **last part** being a **unique** number
in the

context of the lock management group or transaction manager. That is, '
'the

operation-id takes the form...

10/3,K/3 (Item 2 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

(c) 2004 WIPO/Univentio. All rts. reserv.

01174755 **Image available**

LOCK AND TRANSACTION MANAGEMENT

VERROU ET GESTION DE TRANSACTION

Patent Applicant/Assignee:

INTERNATIONAL BUSINESS MACHINES CORPORATION, New Orchard Road, Armonk, NY
10504, US, US (Residence), US (Nationality), (For all designated states
except: US)

IBM UNITED KINGDOM LIMITED, PO Box 41, North Harbour, Portsmouth,
Hampshire PO6 3AU, GB, GB (Residence), GB (Nationality), (Designated
only for: MG)

Patent Applicant/Inventor:

WALKER Michael Leo, 4100 The Woods Drive Apt 810, San Jose, CA 95136, US,

US (Residence), US (Nationality), (Designated only for: US)
Legal Representative:
BURT Roger James (agent), IBM United Kingdom Limited, Intellectual
Property Law, Hursley Park, Winchester, Hampshire SO21 2JN, GB,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200497637 A2 20041111 (WO 0497637)
Application: WO 2004GB1899 20040504 (PCT/WO GB04001899)
Priority Application: US 2003428780 20030501

Designated States:

(All protection types applied unless otherwise stated - for applications
2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO
SE SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 21272

Fulltext Availability:

Detailed Description

Detailed Description

... invention, the operation id
is unique across lock management groups and transaction managers. Thus,
the operation id may be a **compound key** with the-first part being an
indication of whether the operation id was generated by a transaction
manager or not, the second part being the lock management group name or
transaction manager name, and the **last part** being a **unique** number
in the' context of the lock management group or transaction manager. That
is, the
operation id takes the form...

10/3,K/4 (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

01120281 **Image available**
SYSTEM AND METHOD FOR GENERATING REPORTS FOR A VERSIONED DATABASE
SYSTEME ET PROCEDE PERMETTANT DE GENERER DES RAPPORTS DESTINES A UNE BASE
DE DONNEES VERSIONNEE

Patent Applicant/Assignee:

TIME INDUSTRIAL INC, 10259-105th Street, Edmonton, AB T5J 1E3, CA, CA
(Residence), US (Nationality)

Inventor(s):

KLEIN Ralph Wilhelm, 7 Courtenay Drive, Sherwood Park, Alberta T8A 5K7,
CA,

Legal Representative:

BEAMER Norman H (et al) (agent), c/o Fish & Neave, 1251 Avenue of the
Americas, New York, NY 10020, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200442581 A1 20040521 (WO 0442581)
Application: WO 2003US32187 20031010 (PCT/WO US03032187)
Priority Application: US 2002287555 20021101

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK
LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC
SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE

SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 4698

Fulltext Availability:

Detailed Description

Detailed Description

... having to

reorganize the tables. Each table, also referred to as a relation, contains one or more data categories in **columns**. Each row in the table contains a **unique** data record or instance of data for a data object represented by the categories defined by the **columns**. Each row in the table is **uniquely** identified by a primary key, which may be any **column** or **columns** in the table that **uniquely** identifies a row. Typically, a table will contain a **column** to hold **unique** integer values to act as a default primary key. The integer values may be automatically assigned by the database, usually generated incrementally. A primary key consisting of more than one column is commonly referred to as a **composite** primary **key**.

For example, an electronic commerce web site such as Amazon.com, of Seattle, CA, may have a relational database to...

...table would contain a data record or instance of data for a given object. The tables may include an ID **column** to **uniquely** identify each data record with an integer value and to serve as the tables, primary keys. Alternatively, the first name and the last name of a given customer may be used as a **composite** primary **key** in the customer's personal information table.

Data may be queried from a database using a standard application program interface@called...

10/3,K/5 (Item 4 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2004 WIPO/Univentio. All rts. reserv.

01112319 **Image available**

ENTERTAINMENT AND INFORMATION SERVICES DELIVERED VIA MOBILE
TELECOMMUNICATION DEVICES

PROCEDE ET APPAREIL DESTINES A DES SERVICES DE DIVERTISSEMENT ET
D'INFORMATION DIFFUSES VIA DES DISPOSITIFS DE TELECOMMUNICATION MOBILES

Patent Applicant/Assignee:

MYRIAD ENTERTAINMENT INC, 1144 65th Street, Suite C, Oakland, CA
94608-1053, US, US (Residence), US (Nationality), (For all designated
states except: US)

Patent Applicant/Inventor:

WEISMAN Jordan K, 628 West Sammamish NE, Bellevue, WA 98008-4227, US, US
(Residence), US (Nationality), (Designated only for: US)

REDMANN William G, 1202 Princeton Drive, Glendale, CA 91205-3631, US, US
(Residence), US (Nationality), (Designated only for: US)

Legal Representative:

RONDEAU Jr George C (et al) (agent), Davis Wright Tremaine LLP, 2600
Century Square, 1501 Fourth Avenue, Seattle, WA 98101-1688, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200434689 A2-A3 20040422 (WO 0434689)

Application: WO 2003US32292 20031010 (PCT/WO US03032292)

Priority Application: US 2002417734 20021010; US 2003683561 20031009
Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK
LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC
SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE
SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 23875

Fulltext Availability:

Detailed Description

Detailed Description

... the existing record in the recent table 480.

A slightly more complex but additionally functional implementation would include the from **UID column** of the recent table 480 in the **composite foreign key** for the table.

Preferably, the from **UID column** would be replicated in the bookmark table so that each participant recommending and episode to a receiving participant can make...

10/3,K/6 (Item 5 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2004 WIPO/Univentio. All rts. reserv.

01020800 **Image available**

**UNIVERSAL PROGRAMMING INTERFACE TO KNOWLEDGE MANAGEMENT (UPIKM) DATABASE
SYSTEM WITH INTEGRATED XML INTERFACE
SYSTEME DE BASE DE DONNEES A INTERFACE DE PROGRAMMATION UNIVERSELLE POUR LA
GESTION DES CONNAISSANCES (UPIKM) INTEGRANT UNE INTERFACE XML**

Patent Applicant/Assignee:

NETMATRIX INC, 300 East 42nd Street, New York, NY 10017, US, US
(Residence), US (Nationality)

Inventor(s):

HUTTEL Jeffrey, 595 Wildwood Road, West Hempstead, NY 11552, US,
FINKEL Arthur, 150 Hillpark Avenue, Great Neck, NY 11021, US,

Legal Representative:

KENNARD Wayne M (et al) (agent), Hale and Dorr LLP, 60 State Street,
Boston, MA 02109, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200350721 A1 20030619 (WO 0350721)

Application: WO 2002US39884 20021212 (PCT/WO US0239884)

Priority Application: US 200112482 20011212

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SC SD SE SG SK SL TJ TM
TR TT TZ UA UG UZ VC VN YU ZA ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SI SK
TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 19004

Fulltext Availability:
Detailed Description

Detailed Description

... are to represent things in the real world. In a particular database, the row of a table is to be **unique**. Each of the **columns** represents a specific field for each table row. This is carried out by each table having a primary key that is usually a **column** of the table having **unique** values for the table. Each table will have only one primary key. Together all of the **columns** of the table with **unique** values are **candidate** keys from which the primary key is selected. The other columns are alternate keys. A simple key is made up of one column where a **composite key** is made up of two or more columns. The easiest way to choose the primary key is to select one...

10/3,K/7 (Item 6 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

01010838 **Image available**

INTERNAL SECURITY SYSTEM FOR A RELATIONAL DATABASE SYSTEM
SYSTEME DE SECURITE INTERNE POUR UN SYSTEME DE BASE DE DONNEES
RELATIONNELLES

Patent Applicant/Assignee:

INFINIUM SOFTWARE INC, 25 Communications Way, Hyannis, MA 02601, US, US
(Residence), US (Nationality)

Inventor(s):

PARENT Patrice P, 21 Highland Avenue, South Yarmouth, MA 02664, US,

Legal Representative:

KENNARD Wayne M (et al) (agent), Hale and Dorr LLP, 60 State Street,
Boston, MA 02109, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200340923 A1 20030515 (WO 0340923)

Application: WO 2002US23692 20020724 (PCT/WO US0223692)

Priority Application: US 2001916427 20010727

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK SL TJ
TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 8176

Fulltext Availability:
Detailed Description

Detailed Description

... are to represent things in the real world. In a particular database, the row of a table is to be **unique**. Each of the **columns** represent a specific field for each row.

This is carried out by each table having a primary key which is usually a **column** of the table having **unique** values for the table. Each table will have only one primary key.

Together all of the **columns** of the table with **unique** values are **candidate** keys from which the primary key is selected. The other columns are alternate keys. A simple key is made up of one column where a **composite key** is made up of two or more columns. The easiest way to choose the primary key is to select one...

10/3,K/8 (Item 7 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00986561 **Image available**

USING ASSOCIATIVE MEMORY TO PERFORM DATABASE OPERATIONS

**UTILISATION D'UNE MEMOIRE ASSOCIATIVE POUR EXECUTER DES OPERATIONS DE BASE
DE DONNEES**

Patent Applicant/Assignee:

ETAGON LIMITED, Euro-American Buildings, R.G. Hodge Plaza Wickhams Cay 1,
P.O. Box 3161, Road Town, . Tortola, VG, GB (Residence), GB
(Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

ZAROM Rony, 181 E 65th Street, 14th Floor, New York, NY 10021, US, US
(Residence), IL (Nationality), (Designated only for: US)

ROSS Kenneth, 518 West 111th Street # 64, New York, NY 10025, US, US
(Residence), US (Nationality), (Designated only for: US)

YIP Kenneth, 4030 75th Street, Apt. 7G, Elmhurst, NY 11373, US, US
(Residence), US (Nationality), (Designated only for: US)

Legal Representative:

G E EHRLICH (1995) LTD (agent), 28 Bezalel Street, 52 521 Ramat Gan, IL,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200317136 A1 20030227 (WO 0317136)

Application: WO 2002IL677 20020815 (PCT/WO IL0200677)

Priority Application: US 2001312778 20010816

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT (utility model) AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR
CU CZ (utility model) CZ DE (utility model) DE DK (utility model) DK DM
DZ EC EE (utility model) EE ES FI (utility model) FI GB GD GE GH GM HR HU
ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX
MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK (utility model) SK SL TJ TM TN
TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 11058

Fulltext Availability:

Detailed Description

Detailed Description

... For the first method, as shown in Figure 413(1), in stage 1, the
table is
grouped according to the grouping columns. In stage 2, each unique
combination of values from the grouping columns has its own subtotal
computed.

Alternatively, as shown in Figure 4B(2), the current running totals are
stored in a hash table, in which the grouping columns are used as a
composite key. The hash table is initially empty in stage 1. As each
record is processed in stage 2, the hash table...

10/3,K/9 (Item 8 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00968420

**SYSTEM ARCHITECTURE AND METHOD FOR ENERGY INDUSTRY TRADING AND TRANSACTION
MANAGEMENT**

ARCHITECTURE DE SYSTEME ET PROCEDE POUR LE COMMERCE DE L'INDUSTRIE DE

L'ENERGIE ET LA GESTION DE TRANSACTIONS

Patent Applicant/Assignee:

CAMINUS CORPORATION, 825 Third Avenue, 28th Floor, New York, NY 10022, US
, US (Residence), US (Nationality), (For all designated states except:
US)

Patent Applicant/Inventor:

HAYNIE Cynthia, 1628 Elgin, Houston, TX 77004, US, US (Residence), US
(Nationality), (Designated only for: US)
MOSSOP Kevin, 1423 Clarkdale Court, Houston, TX 77094, US, US (Residence)
, US (Nationality), (Designated only for: US)
PLETKA John, 3710 Gromwell Drive, Alpharetta, GA 30005, US, US
(Residence), US (Nationality), (Designated only for: US)
CURFMAN Benjamin, 1339 Allston, Houston, TX 77008, US, US (Residence), US
(Nationality), (Designated only for: US)
PEVER Daryl, 7509 Middlewood, Houston, TX 77063, US, US (Residence), US
(Nationality), (Designated only for: US)
DANIELSON Leslie, 3907 Oakwick Forest Drive, Missouri City, TX 77459, US,
US (Residence), US (Nationality), (Designated only for: US)
HUGETZ Shannon, 3205 Lawrence, Houston, TX 77018, US, US (Residence), US
(Nationality), (Designated only for: US)
GILMER Joan, 5901 Woodway Place Court, Houston, TX 77057, US, US
(Residence), US (Nationality), (Designated only for: US)
STOCKTON Sunny, 4019 Bellefontaine Street, Houston, TX 77025, US, US
(Residence), US (Nationality), (Designated only for: US)
ALEXANDER Mike, 2319 Merion Drive, League City, TX 77573, US, US
(Residence), US (Nationality), (Designated only for: US)
SAVOIE Phil, 2703 Sable Court, Pearland, TX 77584, US, US (Residence), US
(Nationality), (Designated only for: US)
KADAM Nitin, 9850 Meadowglen Lane Apt. #220, Houston, TX 77042, US, US
(Residence), US (Nationality), (Designated only for: US)
HAMILTON Josh, 858 Azalea, Houston, TX 77018, US, US (Residence), US
(Nationality), (Designated only for: US)

Legal Representative:

ROCCI Steven J (agent), Woodcock Washburn LLP, 46th Floor, One Liberty
Place, Philadelphia, PA 19103, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 2002101510 A2-A3 20021219 (WO 02101510)
Application: WO 2002US18781 20020613 (PCT/WO US0218781)
Priority Application: US 2001297745 20010613

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK
SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG.

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 47448

Fulltext Availability:

Detailed Description

Detailed Description

... all of the tables on a 5-table join. However, the code returns any
physical key columns, or foreign key **columns** that the calling process
will need to **uniquely** identify a related object.

3 0 All remove methods contain a physical key or master ID (which may be
a **compound key**) and, if required, a force delete argument. The force
delete argument tells the remove method that the caller wants to...

(c) 2004 WIPO/Univentio. All rts. reserv.

00913817 **Image available**

**A METHOD AND APPARATUS FOR TRANSFORMING DATA
PROCEDE ET APPAREIL DE TRANSFORMATION DE DONNEES**

Patent Applicant/Assignee:

A2i INC, Suite 255, 1925 Century Park East, Los Angeles, CA 0067, US, US
(Residence), US (Nationality)

Inventor(s):

WEINBERG Paul N, 2160 Century Park East, #1905, Los Angeles, CA 90067, US

LO Wenphing, 930 N. Monterey St. Apt. 200, Alhambra, CA 91801, US,
LIU Zheng, 3751 Jasmine Avenue, Apt. 303, Los Angeles, CA 90034, US;
HAZI Ariel, 11963 Victoria Avenue, Los Angeles, CA 90066, US,

Legal Representative:

HECKER Gary A (agent), The Hecker Law Group, 1925 Century Park East,
Suite 2300, Los Angeles, CA 90067, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200247463 A2-A3 20020620 (WO 0247463)

Application: WO 2001US48573 20011212 (PCT/WO US0148573)

Priority Application: US 2000255560 20001212; US 2001960902 20010920; US
2001960541 20010920

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL
TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 16311

Fulltext Availability:

Detailed Description

Detailed Description

... table represents a single record and consists of the same set of
fields.

Table: table is a simple, rectangular, row/ **column** arrangement of
related
data values.

Unique Field: a unique field (or field combination) is the key field
(or
compound key field combination) for a record and uniquely identifies
the
record. A table may have more than one unique field (or...

10/3,K/11 (Item 10 from file: 349)

DIALOG(R) File 349: PCT FULLTEXT

(c) 2004 WIPO/Univentio. All rts. reserv.

00907089 **Image available**

**DYNAMIC OBJECT-DRIVEN DATABASE MANIPULATION AND MAPPING SYSTEM
SYSTEME DYNAMIQUE DE MANIPULATION ET DE MAPPAGE D'UNE BASE DE DONNEES
ORIENTEE OBJET**

Patent Applicant/Assignee:

THOUGHT INC, 657 Mission Street, San Francisco, CA 94105, US, US
(Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

MULLINS Ward, 2222 Leavenworth Street, Suite 304, San Francisco, CA 94133

, US, US (Residence), US (Nationality), (Designated only for: US)
Legal Representative:
ORZECZOWSKI Karen Lee (agent), Liniak, Berenato, Longacre & White, PLLC,
6550 Rock Spring Drive, Suite 240, Bethesda, MD 20817, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200241187 A1 20020523 (WO 0241187)
Application: WO 2001US43104 20011116 (PCT/WO US0143104)
Priority Application: US 2000249418 20001116; US 2001336554 20011025
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK
SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 29332

Fulltext Availability:
Detailed Description

Detailed Description

... object cache. The Object must be uniquely identifiable to be cached -
in other words a 'unique' primary key field or **composite key** fields
must be defined. This cache is shared by all of the clients accessing the
Mapping Server, and, as a...

...in memory at once.

The CocoBase Object Cache contains a method for looking up the object in
terms of its **unique** object identifier **column** (s). Before an object is
loaded from the database by the CocoBase runtime repository, it is looked
tip in the...

10/3,K/12 (Item 11 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00864381

**A METHOD AND SYSTEM FOR A RELATIONAL DATA MODEL FOR INTEGRATED MANAGEMENT
AND ANALYSIS OF GENERALIZED N-DIMENSIONAL TABULAR DATA WITH
MULTILINGUAL SUPPORT**

**PROCEDE ET SYSTEME POUR MODELE DE DONNEES RELATIONNEL DE GESTION ET
D'ANALYSE INTEGREES DE DONNEES TABULAIRES GENERALISEES A N DIMENSIONS
AVEC SUPPORT MULTILINGUE**

Patent Applicant/Assignee:

THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, 116th Street
and Broadway, New York, NY 10027, US, US (Residence), US (Nationality),
(For all designated states except: US)

Patent Applicant/Inventor:

BOURDEAU Robert, 16 Rugby Road, New City, NY 10956, US, US (Residence),
US (Nationality), (Designated only for: US)

VINAYAGAMOORTHY Sri, 236-A Faller Drive, New Milford, NJ 07646, US, US
(Residence), CA (Nationality), (Designated only for: US)

Legal Representative:

TANG Henry (et al) (agent), Baker Botts LLP, 30 Rockefeller Plaza, New
York, NY 10112-0228, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200197075 A2-A3 20011220 (WO 0197075)

Application: WO 2001US19085 20010615 (PCT/WO US0119085)

Priority Application: US 2000211718 20000615

Designated States:

(Protection type is "patent" unless otherwise stated - for applications

prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL
TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 14579

Fulltext Availability:

Detailed Description

Detailed Description

... metadata identifier, and collection universal resource locator (URL).

A table in a DBS typically uses one or more columns to **uniquely** identify a record in the table. A **column** that **uniquely** identifies a record in the table is referred to as a primary key. Where two or more **columns** are used to **uniquely** identify a record, the **columns** are referred to as secondary keys, the combination of which form a **compound primary key**. The value of the primary key can represent a "real-world" value such as a social security number, or the...

15/3,K/1 (Item 1 from file: 348)
DIALOG(R)File: 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

01566388

Partitioned database system
Partitioniertes Datenbanksystem
Systeme partitionne de base de donnees
PATENT ASSIGNEE:

NCR INTERNATIONAL INC., (1449480), 1700 South Patterson Boulevard,
Dayton, Ohio 45479, (US), (Applicant designated States: all)

INVENTOR:

Sinclair, Paul L., 1825 John St., Manhattan Beach, CA 90266, (US)
Cohen, Steven B., 1706 Haynes Lane, Redondo Beach, CA 90278, (US)
Pederson, Donald R., 12410 Pathos Lane, San Diego, CA 92129, (US)

LEGAL REPRESENTATIVE:

Williamson, Brian et al (84717), NCR Limited International Patent
Department 206 Marylebone Road, London NW1 6LY, (GB)

PATENT (CC, No, Kind, Date): EP 1302873 A2 030416 (Basic)
EP 1302873 A3 041027

APPLICATION (CC, No, Date): EP 2002256960 021008;

PRIORITY (CC, No, Date): US 981613 011016

DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;
IE; IT; LI; LU; MC; NL; PT; SE; SK; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-017/30

ABSTRACT WORD COUNT: 144

NOTE:

Figure number on first page: 2

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200316	597
SPEC A	(English)	200316	3752
Total word count - document A			4349
Total word count - document B			0
Total word count - documents A + B			4349

...SPECIFICATION each of those rows. The results of the first and second functions for each row are preferably included in a **row ID** with the third value for each row. The **third value** may be a **unique** value within the set of rows with the same first and second values.

The rows are preferably stored by distributing...

...CLAIMS claim 1, wherein the results of the first (402) and second (404) functions for each row are included in a **row ID** (400) with the third value (406) for each row.

4. The method of claim 2, wherein the **third value** is a **unique** value within the set of rows with the same first and second values.
5. The method of claim 1, wherein...

15/3,K/2 (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

00727007

DATABASE QUERY SYSTEM
DATENBANKSUCHSYSTEM
SYSTEME D'INTERROGATION DE BASES DE DONNEES
PATENT ASSIGNEE:

Speedware Ltee./Ltd., (2424130), 150 John Street, 10th Floor, Toronto,
Ontario M5V 3E3, (CA), (Proprietor designated states: all)

INVENTOR:

SHWARTZ, Steven, P., 606 Grassy Hill Road, Orange, CT 06477, (US)

LEGAL REPRESENTATIVE:

Kirschner, Klaus Dieter, Dipl.-Phys. (6507), Schneiders & Behrendt

Rechtsanwalte - Patentanwälte Sollner Strasse 38, 81479 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 803100 A1 971029 (Basic)
EP 803100 B1 991222
WO 9526003 950928
APPLICATION (CC, No, Date): EP 95921945 950323; WO 95IB517 950323
PRIORITY (CC, No, Date): US 217099 940324
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; IE; IT; LI; NL; PT; SE
INTERNATIONAL PATENT CLASS: G06F-017/30
NOTE:

No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	199951	813
CLAIMS B	(German)	199951	716
CLAIMS B	(French)	199951	1096
SPEC B	(English)	199951	21277
Total word count - document A			0
Total word count - document B			23902
Total word count - documents A + B			23902

...SPECIFICATION table is titled (for purposes of this example) "Person" and the second table "Purchases." In the Person table there are **three** columns: "Name", containing alphanumeric data; "State" containing two characters of alphanumeric data; and "Zip", which may be stored as five ...

...containing alphanumeric data; Product, containing alphanumeric data; and Quantity, containing numeric data.

Also, stored along with the database are the **primary keys** for each of the tables. In most database systems each row must be **uniquely** identifiable. One or more **columns** together create the **primary key** which when the contents of those **columns** are combined **uniquely** identify each row in the table. In the Person table above, the **column** Name is **unique** in each row and Name could be the **primary key** column. However, in the Purchases table, "Name" does not uniquely identify each row since there are multiple Johns and Pats. In that table, both the "Name" and "Product" **columns** together **uniquely** identify each row and together form the **primary key**.

In the above example, there is an implied relationship between the two tables based on the common column title "Name..."

15/3,K/3 (Item 3 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

00239423

Meter data gathering and transmission system.

Verfahren zur Gewinnung und Übertragung von Zahlerdaten.

Système pour acquérir et pour transmettre des données de compteurs.

PATENT ASSIGNEE:

M & FC HOLDING COMPANY, INC., (1206850), 1100 North Market Street,
Wilmington, Delaware 19801, (US), (applicant designated states:
BE;CH;DE;FR;GB;IT;LI;NL;SE)

INVENTOR:

Bruce Edward Gray, 4104 Kellington Court, Murrysville, Pa. 15668, (US)

LEGAL REPRESENTATIVE:

MEISSNER, BOLTE & PARTNER (100193), Widenmayerstrasse 48 Postfach 860624,
W-8000 Munchen 86, (DE)

PATENT (CC, No, Kind, Date): EP 240761 A1 871014 (Basic)
EP 240761 B1 930804

APPLICATION (CC, No, Date): EP 87103485 840620;

PRIORITY (CC, No, Date): US 510753 830701

DESIGNATED STATES: BE; CH; DE; FR; GB; IT; LI; NL; SE

RELATED PARENT NUMBER(S) - PN (AN):

EP 130475 (EP 841070584)

INTERNATIONAL PATENT CLASS: G06M-001/27; G01F-015/06;

ABSTRACT WORD COUNT: 164

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	2242
CLAIMS B	(German)	EPBBF1	669
CLAIMS B	(French)	EPBBF1	838
SPEC B	(English)	EPBBF1	5814
Total word count - document A			0
Total word count - document B			9563
Total word count - documents A + B			9563

...SPECIFICATION matrix results in four bytes of data indicating the positions of the four register wheels as are stored in locations 3 through 6 of the first row of the RAM. During the second scan, each of the plurality of data bytes resulting from a scan of the conductors of the bus 26...

15/3,K/5 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

01064380 **Image available**

LOCALIZED AUDIO NETWORKS AND ASSOCIATED DIGITAL ACCESSORIES
RESEAUX RADIO LOCALISES ET ACCESSOIRES NUMERIQUES ASSOCIES

Patent Applicant/Inventor:

GOLDBERG David, 4055 Pinion Drive, Boulder, CO 80303, US, US (Residence),
US (Nationality)

SIMON Neil R, 3084 4th Street, Boulder, CO 80304, US, US (Residence), US
(Nationality)

GOLDBERG Martha B, 4055 Pinion Drive, Boulder, CO 80303, US, US
(Residence), US (Nationality)

GOLDBERG Miriam D, 4055 Pinion Drive, Boulder, CO 80303, US, US
(Residence), US (Nationality)

GOLDBERG Benjamin M, 4055 Pinion Drive, Boulder, CO 80303, US, US
(Residence), US (Nationality)

Legal Representative:

McINTOSH Michael D (agent), 8000 E. Prentice Avenue, Suite B-6, Greenwood
Village, CO 80111, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200393950 A2-A3 20031113 (WO 0393950)

Application: WO 2003US14154 20030506 (PCT/WO US03014154)

Priority Application: US 2002378415 20020506; US 2002388887 20020614; US
2003452230 20030304

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SC SD SE SG
SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE
SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 46874

Fulltext Availability:

Detailed Description

Detailed Description

... device 1706 are stored ratings of units 100, as indicated by the table
1802. The left hand column is the primary key of the database, and is

a unique identifier associated with each unit 100. This ID can be a numerical MAC...

...unit 100, a unique nickname or word handle (e.g.

"Jen4l2smasW') associated with each audio unit user, or other such unique identifier.

The second and **third columns**, indicated as numbers with dollar signs, are the total summed positive ratings (column two) and the negative ratings (column three...

15/3,K/6 (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

01020800 **Image available**

UNIVERSAL PROGRAMMING INTERFACE TO KNOWLEDGE MANAGEMENT (UPIKM) DATABASE
SYSTEM WITH INTEGRATED XML INTERFACE
SYSTEME DE BASE DE DONNEES A INTERFACE DE PROGRAMMATION UNIVERSELLE POUR LA
GESTION DES CONNAISSANCES (UPIKM) INTEGRANT UNE INTERFACE XML

Patent Applicant/Assignee:

NETMATRIX INC, 300 East 42nd Street, New York, NY 10017, US, US
(Residence), US (Nationality)

Inventor(s):

HUTTEL Jeffrey, 595 Wildwood Road, West Hempstead, NY 11552, US,
FINKEL Arthur, 150 Hillpark Avenue, Great Neck, NY 11021, US,

Legal Representative:

KENNARD Wayne M (et al) (agent), Hale and Dorr LLP, 60 State Street,
Boston, MA 02109, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200350721 A1 20030619 (WO 0350721)

Application: WO 2002US39884 20021212 (PCT/WO US0239884)

Priority Application: US 200112482 20011212

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SC SD SE SG SK SL TJ TM
TR TT TZ UA UG UZ VC VN YU ZA ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SI SK
TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 19004

Fulltext Availability:

Detailed Description

Detailed Description

... requires a unique value across the entire database, that system user will know that the next value available for a **primary key** of that type, for example, could be "28." Database Table 304 is used to track each of the Databases, i...
...Table, preferably, includes three fields. The first field is "TheKey" field. This will be a unique integer value that is **unique** across the database. The second and **third fields** will contain information ... i.e., application, is created, the system user will first check DatabaseWideKey Table 302 to determine what the next available **unique** key value will be. If the **last primary key value** used was, for example, "102," then the system user in creating the next database record would select "103" and enter...4 at 404, "TheKey" has five records. Each of these records is represented by a unique integer. "TheKey" is the

Field Key that is one of the four **primary keys** that are **unique** across the system databases.

The **third** and fourth **fields** at 406 and 408, respectively, are the "Name" and "Normalized Name" for each of the Object Fields. For example, for...Table 324, as stated, is the ObjectDefinitionKey from ObjectDefinition Table 306. The second field is "TheKey" field for the ObjectCategory **Table**. This **key** is the fourth **primary key** of the system of the present invention and is a **unique** integer value across all system databases.

The **third field** is the "Name" field that is the name of the Object Category and it may be up to 255 characters...Compliant Database 108. This table is different from the other category tables in that it has four fields instead of **three**.

The first **field** of DateCategory Table 522 is the " **UniqueKey** " field. The entry in this field will be an integer value. The entry will be the unique category key integer...has been for the other category tables, is identified as "ValueKey" field. The "ValueKey" field is not one of the **primary keys**, so it does not have to be a unique integer value across the entire database. However, it is within the...

15/3,K/7 (Item 4 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00965556 **Image available**

SYSTEM AND METHOD FOR IMPLEMENTING SECURITY ON A DATABASE
SYSTEME ET PROCEDE DE SECURISATION D'UNE BASE DE DONNEES

Patent Applicant/Assignee:

CATERPILLAR INC, 100 N.E. Adams Sreet, Peoria, IL 61629-6490, US, US
(Residence), US (Nationality)

Inventor(s):

BAILEY Steven C, 1901 Fieldstone, Washington, IL 61571-2191, US,
BLESSIN Stephen W, 11820 Deerfield Drive, Dunlap, IL 61525-9668, US,
LEWIS Gary L, P.O. Box 417, Princeville, IL 61559-0417, US,

Legal Representative:

MCPHERSON W Bryan III (et al) (agent), 100 N. E. Adams Street, Peoria, IL
61629-6490, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200299655 A1 20021212 (WO 0299655)
Application: WO 2002US10041 20020328 (PCT/WO US0210041)
Priority Application: US 2001294924 20010531; US 200244736 20020111

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL
TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 10604

Fulltext Availability:

Detailed Description

Detailed Description

... the user access to that particular price relating to a specific part.
In the preferred embodiment, table II 5 includes **three fields**. One **field** is a **unique** number corresponding to each individual override for a

particular price relating to a specific part and this field is the **primary key** of this I 0 table. Another field contains the part number that the price override is associated with and thus, is a **foreign key** of this table. Another field relates the price override table 1 1 5 to the part table 125 in a...also is allowed to determine which users of the system can become administrators. In the preferred embodiment, this table contains **three fields**. One field includes is a **unique** number corresponding to each individual user who is given super administrator power and this field is the **primary key** of this table.

Another field is used to store the last name of a user who is given super administrator...have a row in the 5 characteristic table 145 associated with it. In the preferred embodiment, this table 145 contains **three fields**. One field is a **unique** number corresponding to each individual attribute characteristic and is the **primary key** of this table.

Another field is a text string that is used for the name of an attribute characteristic. Thus...keywords contains seven fields. One field is a unique number corresponding to each individual keyword. Thus, this field is the **primary key** of this table 130. Another field is a text string that is used for the name of a keyword. In...

15/3,K/8 (Item 5 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00908900 **Image available**

**A SYSTEM AND PROCESS FOR SEARCHING A NETWORK
SYSTEME ET PROCEDE DE RECHERCHE DANS UN RESEAU**

Patent Applicant/Assignee:

SINGINGFISH COM, 2401 Fourth Avenue, Suite 400, Seattle, WA 98121, US, US
(Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

PORTER Charles A, 810 30th Avenue, Seattle, WA 98122, US, US (Residence),
US (Nationality), (Designated only for: US)
REICHHOLD Jonathan David, 4223 Evanston Avenue N., Seattle, WA 98103, US,
US (Residence), US (Nationality), (Designated only for: US)
REHM Eric Carl, 353 Wallace Way NE#3, Bainbridge Island, WA 98110, US, US
(Residence), US (Nationality), (Designated only for: US)

Legal Representative:

TRIPOLI Joseph S (et al) (agent), Thomson multimedia Licensing, Inc.,
P.O. Box 5312, Princeton, NJ 08540, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200242925 A1 20020530 (WO 0242925)
Application: WO 2001US43247 20011120 (PCT/WO US0143247)
Priority Application: US 2000252273 20001121

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 7732

Fulltext Availability:
Detailed Description

Detailed Description

... metadata associated with every item stored in the search engine kernel and the search persistent store. Data Identifiers, such as **primary keys**, found through the use of search engine kernels 20, are stored in results data stores 16 for subsequent provision to...
...known for each stream. Examples include title, URL, author, bit rate, and system. Tables 1 and 2 contain metadata for **three** different **items** (three **unique** filenames). The result key is a unique identifier for indexing into the metadata stored in the result store. The score...

15/3,K/11 (Item 8 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00742392 **Image available**

INDEPENDENT DISTRIBUTED DATABASE SYSTEM

SYSTEME INDEPENDANT DE BASES DE DONNEES REPARTIES

Patent Applicant/Assignee:

PEERDIRECT INC, Suite 150, 2695 North Sheridan Way, Mississauga, Ontario L5K 2N6, CA, CA (Residence), CA (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

SUTTER Herbert P, 2228 Urwin Crescent, Oakville, Ontario L6L 2T2, CA, CA (Residence), CA (Nationality), (Designated only for: US)

Legal Representative:

VASS William B (et al) (agent), Ridout & Maybee, Suite 2400, One Queen Street East, Toronto, Ontario M5C 3B1, CA,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200055762 A2-A3 20000921 (WO 0055762)

Application: WO 2000CA273 20000313 (PCT/WO CA0000273)

Priority Application: US 99270199 19990315

Parent Application/Grant:

Related by Continuation to: US 99270199 19990315 (CON)

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 48268

Fulltext Availability:

Detailed Description

Detailed Description

... following fields.

dIDBlock Table

Field Type Comment

Activity- Long The type of activity, or zero for TableID the global activity. (**Foreign**

Key : dActivityTable.Activity

TableIDI

For example, I'll, may denote

llproject".

ActivityLD Long The actual activity's ID, if ActivityTableID is nonzero.

These first two fields together uniquely identify every activity

in the system. [**Foreign Key** .

into the selected table)
For example, along with the
above, 1112311 would specify which
project, in this case "Project
#123".

Name Text Text name of the allocated ID
field. An activity may have
several allocated ID's, and these
three fields together uniquely
identify every allocated ID in
every activity in the system.

For example, along with the
above, 11EstimateIDII would mean,
informally...

15/3,K/12 (Item 9 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00519410 **Image available**

PROCESSING PRECOMPUTED VIEWS
TRAITEMENT DE VUES PRECALCULEES

Patent Applicant/Assignee:

INFORMIX SOFTWARE INC,

Inventor(s):

COLBY Latha S,
COLE Richard L,
HASLAM Edward P,
JAZAYERI Nasi,
JOHNSON Galt,
MCKENNA William J,
WILHITE David G Jr,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9950762 A1 19991007

Application: WO 99US6297 19990325 (PCT/WO US9906297)

Priority Application: US 9879679 19980327; US 9879671 19980327; US
9879670 19980327; US 9849784 19980327

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AU BR CA JP MX AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 14952

Fulltext Availability:

Detailed Description

Detailed Description

... and those that must be explicitly declared by the database
administrator.

1 5 Hierarchies that follow the path of a **primary key / foreign key**
relationship or result from non-nullable **unique column** definitions
are implicitly known to the query processing system. As a result, a view
grouped by, for example, the Sales.Perkey column, where Perkey is a
foreign key column that references, for example, the Period table,
automatically may be used to rewrite queries grouped by any combination
of...

...e., tables referenced by dimension tables).

For example, a view grouped by the Sales.Storekey column, where Storekey
is a **foreign key** column that references the Store table and

Store.Mktkey is a **foreign key** column that references the Market table, automatically may be used to rewrite queries that group by any combination of columns...

...declared, the query rewrite system may use the same precomputed view to rewrite queries grouped by any combination of the **three columns**. Declaring these dependencies also improves the performance of the Advisor. The mechanism for declaring a hierarchy is the CREATE HIERARCHY...

15/3,K/13 (Item 10 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00492230 **Image available**

METHODS AND APPARATUS FOR A UNIVERSAL TRACKING SYSTEM
PROCEDE ET APPAREIL POUR SYSTEME DE SUIVI UNIVERSEL

Patent Applicant/Assignee:

OPENDATA SYSTEMS,

Inventor(s):

[SIT Ho Wing,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9923582 A1 19990514

Application: WO 98US22986 19981029 (PCT/WO US9822986)

Priority Application: US 97964035 19971104

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

CN JP AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 11920

Fulltext Availability:

Detailed Description

Detailed Description

... functions that generate a sequence of unique identifiers. These unique sequence numbers are typically used as an identifier or a **primary key** for database tables. The universal tracking system further includes sequence generators, called relational sequence generators, that generate relational sequence numbers...

...pre-defined relationships or tracking schemes.

[Relational sequence generators have application to generate numbers for use in systems where each **column** of numbers, by themselves, are not **unique**, but the number as a combination of all **three columns** is a **unique** number (i.e., the combination of numbers in the grandfather, father and son fields as a set is unique).

Figure...

15/3,K/14 (Item 11 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00429966

INDEPENDENT DISTRIBUTED DATABASE SYSTEM
SYSTEME DE BASE DE DONNEES REPARTIES INDEPENDANTE

Patent Applicant/Assignee:

CURRENT NETWORK TECHNOLOGIES CORPORATION,

SUTTER Herbert P,

Inventor(s):

SUTTER Herbert P,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9820430 A1 19980514

Application: WO 97CA807 19971029 (PCT/WO CA9700807)

Priority Application: US 96742024 19961101

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE HU ID
IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL
PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU GH KE LS MW SD
SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT
LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 44047

Fulltext Availability:

Detailed Description

Detailed Description

... following fields.

dIDBlock Table

Field Type Comment

Activity- Long The type of activity, or zero for
TableID the global activity. [**Foreign**

Key : dActivityTable.Activity

TableID

For example, 11111 may denote

"Project".

ActivityID Long The actual activity's ID, if
ActivityTableID is nonzero.

These first two fields together
uniquely identify every activity
in the system. [**Foreign Key** .

into the selected table

For example, along with the
above, 1112311 would specify which
project, in this case "Project
#123".

Name Text Text name of the allocated ID
field. An activity may have
several allocated ID's, and these
three fields together uniquely
identify every allocated ID in
every activity in the system.

For example, along with the
above, "EstimateID" would mean,
informally...

15/3,K/15 (Item 12 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2004 WIPO/Univentio. All rts. reserv.

00376923

STRUCTURED FOCUSED HYPERTEXT DATA STRUCTURE

STRUCTURE DE DONNEES HYPERTEXTE ARTICULEE SUR LA STRUCTURATION

Patent Applicant/Assignee:

HYPERMED LTD,

OREN Avraham,

OLCHA Lev,

KOWALSKI Nahum,

MARGULYAN Rita,

Inventor(s):

OREN Avraham,

OLCHA Lev,
KOWALSKI Nahum,
MARGULYAN Rita,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9717666 A2 19970515
Application: WO 96IL131 19961023 (PCT/WO IL9600131)
Priority Application: US 95551929 19951023

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IS JP KE
KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE
SG SI SK TJ TM TR TT UA UG US UZ VN KE LS MW SD SZ UG AM AZ BY KG KZ MD
RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG
CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 263802

Fulltext Availability:

Detailed Description

Detailed Description

```
... Sub
DrawPointOnMultiSelected ChangePropertyValueMultiSelectionLI
Case nes (
PROPERTY -ROW-MULTISELECTI Select Case
ON-TOP frmShapeProperties,grdProperties.Sels
ClearPointOnMultiSelected tartRow
Case
ChangeTextTopOnMultiSelection PROPERTY- ROW -BORDER-COLO
R
ChangeShapeTopOnMultiSelection frmShapeProperties.txtValue.Text
DrawPointOnMultiSelected "&H" &
End Select Hex$(Val(frmShapeProperties.txtValu
Else e.Text)) & "&"
Select Case...constants &H4 'NOT contiguous with L &
with the constants in this file. RBUTTON
Global Const KEY BACK = &H8
Global Const KEY TAB = &H9
Global Const KEY CLEAR = &HC
General Global Const KEY RETURN = &HD
Global Const KEY SHIFT = &HI 0
'Clipboard...

...SHEET (RULE 26)
Global Const KEY RIGHT = &H27 Global Const KEY F2 =,&H71
Global Const KEY DOWN = &H28 Global Const KEY F3 = &H72
Global Const KEY SELECT = &H29 Global Const KEY F4 = &H73
Global Const KEY PRINT = &H2A Global Const KEY F5 = &H74
Global Const KEY-EXECUTE Global Const KEY-176 = &H75
&H2B Global Const KEY F7 = &H76
Global Const KEY SNAPSHOT Global Const KEY F8 = &H77
&H2C Global Const KEY-179 = &H78
Global Const KEY-fINSERT &H2D Global Const KEY-F IO = &H79
Global Const KEY -DELETE &H2E Global Const KEY -F I I = &H7A
Global Const KEY-HELP = &H2F Global Const KEY-F I 2 = &H7B
Global Const KEY-F...
```

15/3,K/16 (Item 13 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00367143 **Image available**

METHOD AND APPARATUS FOR STORING AND RETRIEVING DATA IN A RELATIONAL
DATABASE USING AN OBJECT MODEL
PROCEDE ET APPAREIL DE STOCKAGE ET D'EXTRACTION DE DONNEES DANS UNE BASE DE
DONNEES RELATIONNELLE AU MOYEN D'UN MODELE OBJET

Patent Applicant/Assignee:

WALL DATA INCORPORATED,

Inventor(s):

OLDS Christopher C,
KROENKE David M,
GORDON Matthew C,
STANFORD Cathryn A,
KAWAI Kenji,
LI Jing,
MILLER Michael D,
CAI Zhiya,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9707470 A1 19970227

Application: WO 96US13284 19960815 (PCT/WO US9613284)

Priority Application: US 95516446 19950817

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE HU IL IS
JP KE KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU
SD SE SG SI SK TJ TM TR TT UA UG UZ VN KE LS MW SD SZ UG AM AZ BY KG KZ
MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF
CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 55569

Fulltext Availability:

Detailed Description

Detailed Description

... directly or indirectly related and may be single-valued or multi-valued. If they are indirectly related, i.e., the **foreign key** carrying the relationship is not directly contained within the current table group view element or the child group view element routine is set forth in LISTING L56, and described next

The routine DefinePredicateDown returns **three distinct values**. The first is the number of predicates found on this branch of the view element hierarchy; the second is the...

15/3,K/17 (Item 14 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2004 WIPO/Univentio. All rts. reserv.

00307851

DATABASE QUERY SYSTEM

SYSTEME D'INTERROGATION DE BASES DE DONNEES

Patent Applicant/Assignee:

SOFTWARE AG,
SHWARTZ Steven P,

Inventor(s):

SHWARTZ Steven P,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9526003 A1 19950928

Application: WO 95IB517 19950323 (PCT/WO IB9500517)

Priority Application: US 94217099 19940324

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU JP KE KG KP KR
KZ LK LR LT LU LV MD MG MN MW MX NL NO NZ PL PT RO RU SD SE SI SK TJ TT
UA US UZ VN KE MW SD SZ UG AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT
SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 23878

Fulltext Availability:

Detailed Description

Detailed Description

... table is titled (for purposes of this example) "Person" and the second table "Purchases." In the Person table there are **three** columns: "Name", containing alphanumeric data; "State" containing two characters of alphanumeric data; and "Zip", which may be stored as five...

...containing alphanumeric data; Product, containing alphanumeric data; and Quantity, containing numeric data.

Also, stored along with the database are the **primary keys** for each of the tables. In most database systems each row must be **uniquely** identifiable. One or more **columns** together create the **primary key** which when the contents of those **columns** are combined **uniquely** identify each row in the table. In the Person table above, the **column** Name is **unique** in each row and Name could be the **primary key** column. However, in the Purchases table, "Name" does not uniquely identify each row since there are multiple Johns and Pats. In that table, both the "Name" and "Product" **columns** together **uniquely** identify each row and together form the **primary key**.

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.
As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.